We claim:

1.	A method of producing polyphosphazene microspheres comprising:
	(a) admixing an aqueous solution containing a water-soluble polyphosphazene and a aqueous solution containing an organic amine, or a salt thereof, and
	(b) allowing the reaction mixture to stand for an effective period of time to form thereb polyphosphazene microspheres.
2.	The method of Claim 1, wherein said water-soluble polyphosphazene and said organiamines are fed to the mixture over an extended period of time.
3.	The method of Claim 1, further comprising adding water or aqueous buffer solution t stabilize the microspheres.
4.	The method of Claim 1, further comprising recovering said polyphosphazen microspheres.
5.	The method of Claim 1 wherein said organic amine is spermine.
6.	The method of Claim 1 wherein said polyphosphazene i

poly[di(carboxylatophenoxy)phosphazene].

- 7. The method of Claim 1 wherein said microspheres have diameters of from about $1\mu m$ to about $10 \mu m$.
- 8. A method of producing polyphosphazene microspheres containing material to be encapsulated comprising:
 - (a) admixing an aqueous solution containing a water-soluble polyphosphazene and an aqueous solution containing material to be encapsulated to form a reaction mixture;
 - (b) then admixing to said reaction mixture an aqueous solution containing an organic amine, or a salt thereof;
 - (c) allowing the reaction mixture to stand for an effective period of time to form thereby polyphosphazene microspheres;
- 9. The method of Claim 8 wherein said material is a biologically active material selected from the group consisting of proteins, biologically active synthetic compounds, nucleic acids, polysaccharides, and antigens.
- 10. The method of Claim 9 wherein said antigen is derived from organisms selected from the group consisting of rotovirus, measles, mumps, rubella, polio, hepatitis A, hepatitis B, herpes virus, human immunodeficiency virus, influenza virus, *Haemophilus influenza*, *Clostridium tetani*, *Corynebacterium diphteria*, and *Neisseria gonorrhea*.

11. A vaccine comprising the polyphosphazene microspheres made by the methods of claims8, 9, or 10.